

FIG. 2

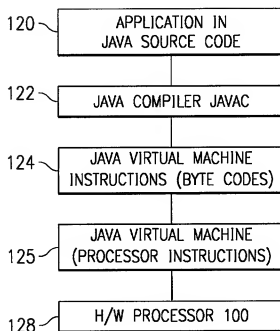


FIG. 5

INTEL PENTIUM II				TI DSP C55X			
	LANGUAGE	CYCLE	MEMORY		LANGUAGE	CYCLE	MEMORY
SWITCH THREADED RATIO	ANSIC GNUC	162	20	SWITCH THREADED RATIO	ANSIC C/ANSI	294	40
		132	80			183	80
		19%	400%			62%	200%
				SWITCH-2 RATIO	ANSIC ANSIC	294 622	40 20
						211%	50%

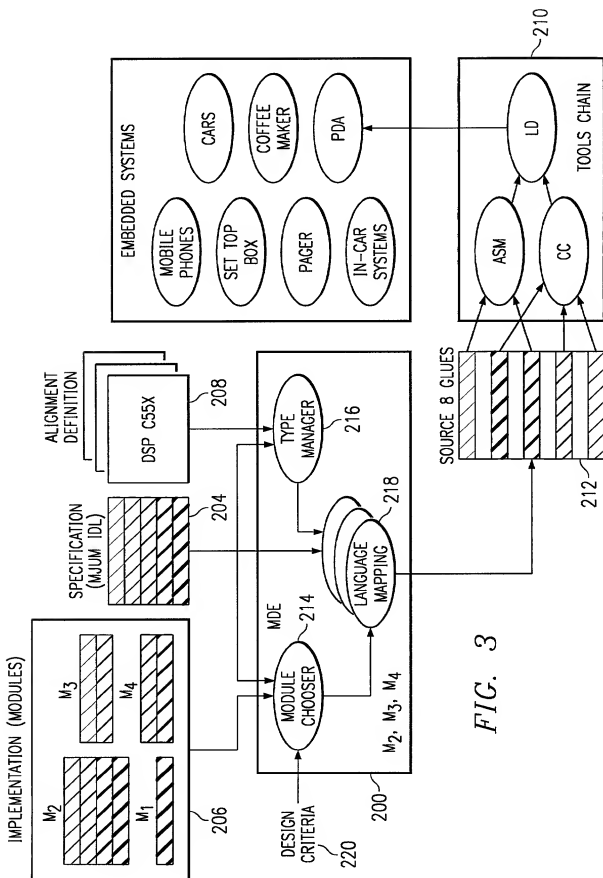


FIG. 3

FIG. 4

MODULE	DESCRIPTION
ARITHMETIC	
INTEGER	REPRESENTATION, OPERATIONS AND CONVERSION OF JAVA INT
LONG	REPRESENTATION, OPERATIONS AND CONVERSION OF JAVA LONG
FLOAT	REPRESENTATION, OPERATIONS AND CONVERSION OF JAVA FLOAT
DOUBLE	REPRESENTATION, OPERATIONS AND CONVERSION OF JAVA DOUBLE
JAVA FRAME	
LOCAL	LOCAL VARIABLES MANAGEMENT AND ACCESS
STACK	STACK MANAGEMENT AND ACCESS
CONTROL FLOW	
MOTOR	INTERPRETATION ENGINE
BRANCH	BRANCHING AND SUBROUTINE
EXCEPTION	EXCEPTION MANAGEMENT AND BRANCHING
OBJECT	
OBJECT	REPRESENTATION AND OPERATIONS ON OBJECT AND REFERENCE
FIELD	REPRESENTAION OF 'SMALL' TYPE AND FIELD ACCESS
ARRAY	REPRESENTATION AND OPERATIONS ON ARRAY AND ELEMENT
METHOD	METHOD INVOCATION AND PARAMETERS PASSING
INTERFACE	INTERFACE MANAGEMENT
STRING	INTERNAL STRING AND JAVA STRING REPRESENTATION
CLASS	
CIREPOS	CLASS REPOSITORY
LOAD	CLASS LOADER MANAGER
MISCELLANEOUS	
JNI	JAVA NATIVE INTERFACE SUPPORT
THREAD	THREAD AND MONITOR SUPPORT